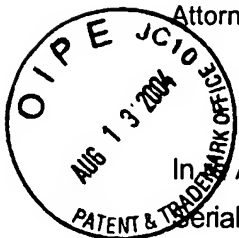


Appln. No. 10/733,970
Information Disclosure of August 10, 2004
Attorney Docket No. CAL 2-018



In The United States Patent and Trademark Office

In Application of : Philip E. Eggers, et al.
Serial No. : 10/733,970
Filed: : December 11, 2003
For: : System, Method, and Apparatus for Evaluating Tissue
Temperature
TC/AU : 3739
Examiner :
Attorney Docket No. : CAL 2-018

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INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is filed in conformity with 37 C.F.R. §§ 1.56, 1.97 and 1.98. Accordingly, copies of the art cited herein are provided.

REMARKS

The following list of patents and publications is being submitted in addition to form PTO-1449 to assist the Examiner in the consideration of the cited disclosures. For organizational purposes only, the patents and publications have been segregated into subject categories and placed in reverse chronological order to further assist the Examiner when considering these citations. Therefore, no inference or limitation as to the materiality of these citations should be drawn from the organization of the citations as submitted.

A concise explanation of the relevance of the individual citation is included below for citations not published in the English language.

The citations have been given a unique citation number within subject categories for purposes of clarity only. The citation numbers have generally been kept consistent with the citation numbers used in applications to which the instant application claims priority. For that reason there may nonconsecutive citation numbers in certain categories. Where a number appears in parentheses (i.e. (##)) preceding the citation, the parenthetical number references a

specific citation to that paper within the patent specification. Some citations may have relevance to more than one "subject category," but we have attempted to include each citation only once, and place each citation in one "subject category."

A. HEATING OF NEOPLASTIC TISSUE

PATENTS

- A1. United States Patent No. 6,565,887 B1 issued to Gray, *et al.*, entitled "Targeted hysteresis hyperthermia as a method for treating diseased tissue."
- A2. United States Patent Application Pub. No. US 2002/0008336 A1 by Otohe et al., entitled " Ferrite Material, Method of Manufacturing the Same and Deflection Yoke Core Made from the Material"
- A3. United States Patent No. 6,451,044 issued to Naghavi, *et al.*, entitled "Method and Apparatus for heating inflamed tissue."
- A4. United States Patent No. 6,195,411 issued to Dinsmore, entitled "Miniature X-Ray Source With Flexible Probe"
- A5. United States Patent No. 6,186,941 issued to Blackwell entitled "Magnetic Coil For pulsed Electromagnetic Field"
- A6. United States Patent No. 6,174,276 issued to Blackwell entitled "Magnetic Coil For Pulsed Electromagnetic Field"
- A7. United States Patent No. 6,167,313 issued to Gray, *et al.*, entitled "Targeted hysteresis hyperthermia as a method for treating diseased tissue."
- A8. United States Patent No. 6,143,019 issued to Motamedi et al., entitled "Method For Emitting Therapeutic Energy Within Tissue"
- A9. United States Patent No. 6,139,536 issued to Mikus et al., entitled "Urological Stent Therapy System And Method"
- A10. United States Patent No. 6,083,148 issued to Williams entitled "Tumor Treatment"
- A11. United States Patent No. 6,081,749 issued to Ingle et al., entitled "Noninvasive Devices, Methods, and Systems for Shrinking of Tissues"
- A12. United States Patent No. 6,074,337 issued to Tucker et al., entitled "Combination Radioactive and Temperature Self-Regulating Thermal Seed Implant for Treating Tumors"

- A13. United States Patent No. 6,022,308 issued to Williams entitled "Tumor Treatment"
- A14. United States Patent No. 6,007,474 issued to Rydell entitled "Radioactive And/Or Thermal Seed Implantation Device"
- A15. United States Patent No. 5,976,067 issued to Tucker et al., entitled "Combination Radioactive and Temperature Self-Regulating Thermal Seed Implant for Treating Tumors"
- A16. United States Patent No. 5,928,217 issued to Mikus et al., entitled "Urological Stent Therapy System And Method"
- A17. United States Patent No. 5,906,636 issued to Casscells, III et al. entitled "Heat Treatment Of Inflamed Tissue"
- A18. United States Patent No. 5,715,837 issued to Chen, entitled "Transcutaneous electromagnetic energy transfer."
- A19. United States Patent No. 5,571,153 issued to Wallsten, entitled "Device for hyperthermia treatment."
- A20. United States Patent No. 5,468,210 issued to Matsui, *et al.*, entitled "Process of thermal treatment in tissue."
- A21. United States Patent No. 5,433,708 issued to Nichols, *et al.*, entitled "Method and device for thermal ablation having improved heat transfer."
- A22. United States Patent No. 5,429,583 issued to Paulus et al., entitled "Cobalt Palladium Seeds For Thermal Treatment Of Tumors"
- A23. United States Patent No. 5,425,731 issued to Daniel, *et al.*, entitled "Instrument for cutting, coagulating and ablating tissue."
- A24. United States Patent No. 5,251,645 issued to Fenn entitled "Adaptive Nulling Hyperthermia Array"
- A25. United States Patent No. 5,203,782 issued to Gudov, *et al.*, entitled "Method and apparatus for treating malignant tumors by local hyperpyrexia."
- A26. United States Patent No. 5,197,940 issued to Sievert et al., entitled "Local Application Tumor Treatment Apparatus"
- A27. U.S. Patent No. 5,133,710 issued to Carter, Jr., et al. entitled "Thermal seed for treatment of tumors."
- A28. United States Patent No. 5,108,359 issued to Granov, *et al.*, entitled "Hemangioma treatment method."

- A29. United States Patent No. 5,099,756 issued to Franconi, *et al.*, entitled "Radio frequency thermotherapy."
- A30. United States Patent No. 5,067,952 issued to Gudov, *et al.*, entitled "Method and apparatus for treating malignant tumors by local hyperpyrexia."
- A31. United States Patent No. 4,983,159 issued to Rand, entitled "Inductive heating process for use in causing necrosis of neoplasms at selective frequencies."
- A32. United States Patent No. 4,869,247 issued to Howard, III, *et al.*, entitled "Video tumor fighting system."
- A33. United States Patent No. 4,846,196 issued to Wiksell, *et al.*, entitled "Method and device for the hyperthermic treatment of tumors."
- A34. United States Patent No. 4,798,215 issued to Turner, entitled "Hyperthermia apparatus."
- A35. United States Patent No. 4,690,130 issued to Mirell, entitled "Electromagnetic therapy control system."
- A36. United States Patent No. 4,574,782 issued to Borrelli, *et al.*, entitled "Radio frequency induced hyperthermia for tumor therapy."
- A37. United States Patent No. 4,545,368 issued to Rand, *et al.*, entitled "Induction heating method for use in causing necrosis of neoplasm."
- A38. United States Patent No. 4,520,249 issued to Czerlinski, entitled "Method and apparatus for selective localized differential hyperthermia of a medium."
- A39. United States Patent No. 4,369,345 issued to Czerlinski, entitled "Method and apparatus for selective localized differential hyperthermia of a medium."
- A40. United States Patent No. 4,323,056 issued to Borrelli *et al.*, entitled "Radio Frequency Induced Hyperthermia For Tumor Therapy"
- A41. United States Patent No. 4,138,998 issued to Nowogrodzki entitled "Indicating Temperature Within Living Tissue"
- A42. United States Patent No. 3,948,785 issued to Berchtold entitled "Process of Manufacturing Ferrite Materials with Improved Magnetic and Mechanical Properties"
- A43. United States Patent No. 3,837,910 issued to Van der Laan *et al.*, entitled "Method of Manufacturing a Polycrystalline Ferrite Body"
- A44. United States Patent No. 3,653,385 issued to Burton, entitled "Production of focal brain lesions by inductive heating."

- A45. United States Patent No. 3,252,913 issued to Van Gils, et al., entitled "Method For Preparing Manganese-Zinc-Ferrous Ferrite"
- A46. United States Patent No. 2,958,664 issued to Vassiliev, et al., entitled "Making Manganese-Zinc Ferrites"
- A47. European Patent Application EP 0 970 724 A2 issued to Williams entitled "Tumour Treatment Apparatus"
- A48. European Patent Application EP 0 459 520 A2 issued to Saito, entitled "Electromagnetic-Wave-Operated Heating Apparatus"
- A49. European Patent Application EP 0 459 520 A3 issued to Saito entitled "Electromagnetic-Wave-Operated Heating Apparatus"
- A50. European Patent Application EP 0 152 963 A2 issued to Kraus, W., entitled "Electrotherapeutic Device."
Describes an electrotherapeutic device using electromagnetic fields and external coils to accomplish heating of tissue. An applicator of high frequency microwave radiation is modulated by low frequency alternating voltage induced in a receiver coil attached to tissue electrodes. A translation of the abstract is attached.
- A51. UK Patent Application GB 2 102 127 A issued to Bresler et al., entitled "Determining The Position Of A Device Inside Biological Tissue"
- A52. German patent DE 34 06 565 C2 issued to Kraus, W., "A device for generating a low-frequency alternating voltage at two tissue electrodes of an implant intended for tissue regeneration."
Describes an electrotherapeutic device using electromagnetic fields and external coils to accomplish stimulation and growth of tissue. A low frequency alternating voltage is generated in two tissue electrodes and induced in a receiver coil by means of at least one high frequency carrier. A translation of the claims is attached.
- A53. German patent DE 44 33 502 A1 issued to Kneissl, W., "Nuclear-spin tomography instrument with high-frequency therapeutic device"
Describes an instrument with a high frequency transmitter for exciting nuclear spins. High-frequency power can be decoupled from the high-frequency transmitter and used for a high-frequency coagulator or for a heatable implant. A translation of the abstract is attached.
- A54. Russian Publication No. RU 2082458C1 issued to Evgen'evich, et al., "Method to conduct hyperthermic electromagnetic therapy of malignant neoplasm."
Describes a method to conduct hyperthermic electromagnetic therapy of neoplastic tissue by injecting a

suspension of ferromagnetic particles with a dielectric-metal phase transition in the temperature range of 42-45°C. A translation of the abstract is attached.

- A55. International Publication No. WO 00/38 602 issued to Naghavi et al., entitled "Method And Apparatus For Heating Inflamed Tissue"

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B. THERMOTHERAPY AND AGENT RELEASE

PATENTS

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- B2. United States Patent No. 6,197,051 issued to Zhong entitled "Polycarbonate-Polyurethane Dispersions For Thrombo-Resistant Coatings"
- B3. United States Patent No. 5,810,888 issued to Fenn, entitled "Thermodynamic Adaptive Phased Array System For Activating Thermosensitive Liposomes In Targeted Drug Delivery"
- B4. United States Patent No. 5,490,840 issued to Uzgis et al., entitled "Targeted Thermal Release Of Drug-Polymer Conjugates"
- B10. United States Patent No. 6,303,142 issued to Zhang, *et al.*, entitled "Methods and apparatus for improved administration of pharmaceutically active compounds."
- B11. United States Patent No. 6,245,347 issued to Zhang, *et al.*, "Methods and apparatus for improved administration of pharmaceutically active compounds."
- B12. United States Patent No. 5,919,479 issued to Zhang, *et al.*, entitled "Noninvasive dermal anesthetics."
- B13. United States Patent No. 5,853,752 issued to Unger, *et al.*, entitled "Methods for preparing gas and gaseous precursor-filled microspheres."

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C. HEAT SHOCK PATENTS

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- C2. United States Patent No. 6,030,618 issued to Srivastava entitled "Therapeutic And Prophylactic Methods Using Heat Shock Proteins"
- C3. United States Patent No. 5,935,576 issued to Srivastava entitled "Compositions and Methods For The Treatment And Prevention Of Neoplastic Diseases Using Heat Shock Proteins Complexed With Exogenous Antigens"
- C4. United States Patent No. 5,830,464 issued to Srivastava entitled "Compositions and Methods For The Treatment and Growth Inhibition Of Cancer Using Heat Shock/Stress Protein-Peptide Complexes in Combination With Adoptive Immunotherapy"
- C5. United States Patent No. 5,447,843 issued to McGuire et al., entitled "Heat Shock/Stress Response Proteins And Prognosis In Cancer"

PUBLICATIONS

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- C8. Wang et al., "Characterization of Heat Shock Protein 110 and Glucose-Regulated Protein 170 as Cancer Vaccines and the Effect of Fever-Range Hyperthermia on Vaccine Activity", *J. of Imm.* 165: 490-497 (2001).
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- D2. United States Patent No. 6,206,916 issued to Furst, entitled "Coated Intraluminal Graft"
- D3. United States Patent No. 6,203,508 issued to Ren et al., entitled "Thermal And Stress Mapping Of Body Lumens"
- D4. United States Patent No. 6,200,307 issued to Kasinkas et al., entitled "Treatment Of In-Stent Restenosis Using Cytotoxic Radiation"
- D5. United States Patent No. 6,200,259 issued to March, entitled "Method Of Treating Cardiovascular Disease By Angiogenesis"
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- D7. United States Patent No. 6,196,996 issued to Teirstein, entitled "Irradiation Catheter And Method Of Use"
- D8. United States Patent No. 6,192,095 issued to Sekine et al., entitled "Xenon-133 Radioactive Stent For Preventing Restenosis Of Blood Vessels And A Process For Producing The Same"
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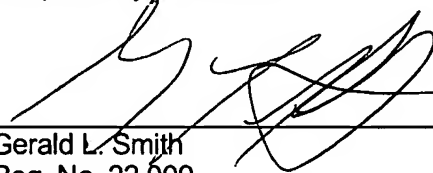
G. OTHER

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- G6. United States Patent No. 5,329,085 issued to Cowell, *et al.*, entitled "Temperature self regulating heaters and soldering irons."
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- G9. United States Patent No. 5,057,095 issued to Fabian, entitled "Surgical implement detector utilizing a resonant marker."
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- G13. United States Patent No. 4,207,896 issued to Shaw, entitled "Surgical instrument having self-regulating dielectric heating of its cutting edge."
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- G16. United States Patent No. 3,587,583 issued to Greenberg, entitled "Surgical sponge with magnetized means."
- G17. United States Patent No. 3,422,816 issued to Robinson, *et al.*, entitled "Surgical Dressing."

It respectfully is submitted that none of the foregoing art, alone or in combination, shows or proposes the present invention. Accordingly, favorable action on the application respectfully is requested.

Respectfully submitted,

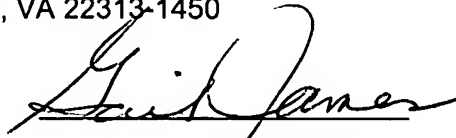


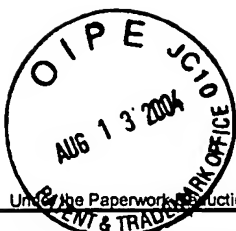
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Application Number	10/733,970
Filing Date	December 11, 2003
First Named Inventor	Philip E. Eggers
Art Unit	3739
Examiner Name	
Attorney Docket Number	CAL 2-018

Sheet 1 of 24

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	A25	US- 5,203,782	04-20-1993	Gudov, et al.	
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	A51	201020127 A	01-26-1983	Bresler, et al.		
	A52	DE 34 06 565 C 2	04-27-1995	Kraus		✓

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/733,970
Filing Date	December 11, 2003
First Named Inventor	Philip E. Eggers
Art Unit	3739
Examiner Name	
Attorney Docket Number	CAL 2-018

Sheet	4	of	24
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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)	MM-DD-YYYY			
	A53	DE 44 33 502 A 1	03-21-1996	Siemens, et al.		✓
	A54	RU 2 082 458 C1	06-27-1997	Evgen'evich, et		✓
	A55	WO 00/38602	07-02-2000	Naghavi		

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		First Named Inventor	Philip E. Eggers
		Art Unit	3739
		Examiner Name	
Sheet 5	of 24	Attorney Docket Number	CAL 2-018

NON PATENT LITERATURE DOCUMENTS			
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	A101	MATSUI, T., et al., "A novel ferromagnetic thermo-stent for plaque stabilization that self-regulates the temperature." IEEE Trans. Biomed Eng., 49 (6): 621-623 (2002).	
	A102	Magnetic Sensors and Magnetometers, edited by P. Ripka, Artech House, Inc., Norwood, MA pp 75-127, and 380-391 (2001).	
	A103	(13) Falk, et al., "Hyperthermia in Oncology" Int. J. Hyperthermia, 17 (1): 1-18 (2001).	
	A104	Janetski, et al., "Immunization of cancer patients with autologous cancer-derived heat shock protein gp96 preparations: A pilot study." Int. J. Cancer ii: 232-238 (2000).	
	A105	Yedavelli, S.P.K., et al., "Preventive and therapeutic effect of tumor derived heat shock protein, gp96, in an experimental prostate cancer model." Int. J. Molecular Med. 4:	
	A106	Cetas, et al., "A Ferrite Corel Metallic Sheath Thermoseed for Interstitial Thermal Therapies", IEEE Trans. On Biomed. Eng., 45 (1) (1998).	
	A107	Fenn, at al., "An Adaptive Microwave Phased Array for Targeted Heating Of Deep Tumors In Intact Breast: Animal Studies Results" Int. J. Hyperthermia, Vol. 15, No. 1, pp 45-61	
	A108	(37) Ajishi, Yoshifumi, et al., "Preparation and Evaluation of Temperature Sensitive Magnetic Thin film With Low Curie Temperature", T. IEEE Japan, Vol 118-A, (2): 158-163 (1	
	A109	Paulus, et al., "Thermal Ablation of Canine Prostate Using Interstitial Temperature Self-Regulating Seeds: New Treatment for Prostate Cancer", J. of Endourology 11 (4)s: 295-3	
	A110	(7) Arkin, H. et al., "Recent Development in Modeling Heat Transfer in Blood Perfused Tissue," IEEE Transactions on Bio-Medical Engineering 41 (2) 97-107 (1994).	

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Sheet 6	of 24	Attorney Docket Number	CAL 2-018

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	A111	Feldmann, H.J., et al., "Deep regional hyperthermia comparison between the annular phased array and the Sigma-60 applicator in the same patients." Int. J. Radiation. Oncol. Biol. Phys. 26: 111-116 (1993).	
	A112	Wu, B., et al., "Antitumor effect of interleukin 7 in combination with local hyperthermia in mice bearing B16a melanoma cells." Stem Cells 11: 412-421 (1993) [ABSTRACT ONLY]	
	A113	8) Haider, et al., "Power Absorption in Ferromagnetic Implants from Radio Frequency Magnetic Fields and the Problem of Optimization." IEEE Transactions On Microwave Theory and	
	A114	(40) Hynynen, et al., "Hyperthermia in Cancer Treatment" Investigative Radiology 25: 824-834 (1990).	
	A115	(7) Brezovich, et al., "Practical Aspects of Ferromagnetic Thermoseed Hyperthermia," Radiologic Clinics of North America 27:589-682 (1989).	
	A116	Matsuki, et al., "An optimum design of a sof heating system for local hyperthermia." IEEE Transactions on Magnetics, MAF-23 (5) p. 2440-2442 (September 1987).	
	A117	Stuchly, et al., "Measurements of Electromagnetic Fields In Biomedical Applications", CRC Critical Reviews in Biomedical Engineering, 14(3): 241-288 (1987).	
	A118	Matsuki, and Murakami "High quality soft heating method utilizing temperature dependence of permeability and core loss of low Curie temperature ferrite." IEEE Transactions on	
	A119	Stauffer, P.R., et al., "Observations on the use of Ferromagnetic implants for inducing hyperthermia." IEEE Transactions on Biomedical Engineering BME-1 (1) 76-90 (January 1984).	
	A120	(5) R. A. Holman, Letter "Hyperthermia and Cancer", Lancet, pp. 1027-1029 (May 3, 1975).	

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Application Number Filing Date First Named Inventor Art Unit Examiner Name	10/733,970
	December 11, 2003
	Philip E. Eggers
	3739
Sheet 7 of 24	Attorney Docket Number CAL 2-018

NON PATENT LITERATURE DOCUMENTS

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	A121	(3) Strom, et al., "The Biochemical Mechanism of Selective Heat Sensitivity of Cancer Cells – IV. Inhibition of RNA Synthesis." Europ. J. Cancer 9:103-112 (1973).	
	A122	(2) Castagna, et al., "Studies on the Inhibition by Ethionine of Aminoazo Dye Carcinogenesis in Rat Liver." Cancer Research 32:1960-1965 (1972).	
	A123	(1) Muckle, et al., "The Selective Inhibitory Effect of Hyperthermia on the Metabolism and Growth of Malignant Cells" Brit J. of Cancer 25:771-778 (1971).	
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	A125		
	A126		
	A127		
	A128		
	A129		
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First Named Inventor	Philip E. Eggers
Art Unit	3739
Examiner Name	
Attorney Docket Number	CAL 2-018

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U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	B1	US- 6,497,647	12-24-2002	Tucker	
	B2	US- 6,197,051	03-06-2001	Zhong	
	B3	US- 5,810,888	09-22-1998	Fenn	
	B4	US- 5,490,840	02-13-1996	Uzgiris, et al.	
	B10	US- 6,303,142	10-16-2001	Zhang, et al.	
	B11	US- 6,245,347	06-12-2001	Zhang, et al.	
	B12	US- 5,919,479	07-06-1999	Zhang, et al.	
	B13	US- 5,853,752	12-29-19980	Unger, et al.	
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Sheet 9	of 24	Attorney Docket Number	CAL 2-018

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	B5	Niemz, M.H., Laser-Tissue Interactions, Fundamentals and Applications Springer, pp. 77-80 (2002). A copy of the cited pages, along with a copy of the entire references section of the book is enclosed to enable the Examiner to identify citations in the article.	
	B6	(13) Falk, et al., "Hyperthermia In Oncology", Int. J. Hyperthermia 17: 1-18 (2001).	
	B7	(11) Kong, et al., "Efficacy of Liposomes and Hyperthermia in a Human Tumor Xenograft Model: Importance of Triggered Drug Release", Cancer Research 60: 6950-6957 (2000).	
	B8	(12) Chung, J.E., et al., "Thermo-Responsive Drug Delivery From Polymeric Micelles Constructed Using Block Copolymers of Poly (N-isopropylacrylamide) and Poly (butylmethacryla	
	B9	Henriques, F. C. "Studies of Thermal Injury: V. The predictability and the significance of thermally induced rate processes leading to irreversible epidermal injury." Archives of Pathology 4: 489-502 (1947).	
	A126		
	A127		
	A128		
	A129		
	A130		

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Sheet	11	of	24	Attorney Docket Number	CAL 2-018

NON PATENT LITERATURE DOCUMENTS			
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	C6	Ito, A., Shinkai, M., Honda, H., Wakabayashi, T., Yoshida, J., and Kobayashi, T., "Augmentation of MHC Class I Antigen Presentation via Heat Shock Protein Expression by Hypert	
	C7	Schiaffonati, et al., "Hyperthermia induces gene expression of heat shock protein 70 and phosphorylation of mitogen activated protein kinases in the rat cerebellum", Neuros, L	
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	C9	(15) Anderson, et al., "Heat, heat shock, heat shock proteins and death: a central link in innate and adaptive immune responses" Immunology Letters, 74: 35-39 (2000).	
	C10	Braiden, et al., "Eradication of Breast Cancer Xenografts by Hyperthermic Suicide Gene Therapy under the Control of the Heat Shock Protein Promoter", Human Gene Therapy 11: 24	
	C11	Jolly, Caroline and Morimoto, Richard I., "Review: Role of the Heat Shock Response and Molecular Chaperones in Oncogenesis and Cell Death." Journal of the National Cancer Inst	
	C12	Binder, et al., "CD91: a receptor for heat shock protein gp96", Nature Immunology, 1 (2): 151-155 (2000). Basu, Sreyashi, Binder, Robert J., Suto, Ryuichiro, Anderson, Kirstin	
	C13	Basu, Sreyashi, Binder, Robert J., Suto, Ryuichiro, Anderson, Kirstin M. and Srivastava, Pramod K., "Necrotic but not Apoptotic Cell Death Releases Heat Shock Proteins, Which	
	C14	Huang, et al., "Heat-induced Gene Expression as a Novel Targeted Cancer Gene Therapy Strategy", Cancer Research 60: 3435-3439 (July 2000).	
	C15	Ito, et al., "Induction of TNF- α Gene Expression by Heat Inducible Promotor gadd 153", Jpn. J. Hyperthermic Oncol. 16 (2) (2000).	

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	C16	Morrison, A.J., Rush, S.J., and Brown, I.R., "Heat Shock Transcription Factors and the hsp70 Induction Response in Brain and Kidney of the Hyperthermic Rat During Postnatal De	
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Application Number	10/733,970
Filing Date	December 11, 2003
First Named Inventor	Philip E. Eggers
Art Unit	3739
Examiner Name	
Attorney Docket Number	CAL 2-018

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NON PATENT LITERATURE DOCUMENTS

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	C26	Melcher, A. Todryk, S. Hardwick, N., Ford, M., Jacobson, M., Vile, R.G., "Tumor Immunogenicity is Determined by the Mechanism of Cell Death via Induction of Heat Shock Protein	
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	C33	Speiser et al., "Self Antigens Expressed by Solid Tumors Do Not Efficiently Stimulate Naïve or Activated T Cells: Implications for Immunotherapy", J. Exp. Med. 186 (5): 645-65	
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	C36	Freeman, et al., "Immune system in suicide-gene therapy" (Commentary) The Lancet, 349: 2-3 (Jan 4, 1997).	
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	C66	Srivastava, et al., "Tumor Rejection Antigens of Chemically Induced Sarcomas of Inbred Mice", Proc. Natl. Acad Sci USA 83 (10) 3407-3411 (1986).	
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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	D1	US- 6,319,251	11-20-2001	Tu, et al.	
	D2	US- 6,206,916	03-27-2001	Furst	
	D3	US- 6,203,508	03-20-2001	Ren, et al.	
	D4	US- 6,200,307	03-13-2001	Kasinkas, et al.	
	D5	US- 6,200,259	03-13-2001	March	
	D6	US- 6,197,296	03-06-2001	Davies, et al.	
	D7	US- 6,196,996	03-06-2001	Tierstein	
	D8	US- 6,192,095	02-20-2001	Sekine, et al.	
	D9	US- 6,190,404	02-20-2001	Palmaz, et al.	
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	D11	US- 6,190,355	02-20-2001	Hastings	
	D12	US- 6,190,302	02-20-2001	Mosseri, et al.	
	D13	US- 6,187,037	02-13-2001	Satz	
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	D20	US- 5,078,736	01-07-1992	Behl	
	D35	US- 6,319,242	11-20-2001	Patterson, et al.	
	D36	US- 6,193,669	02-27-2001	Degany, et al.	
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	D39	US- 5,527,334	06-18-1996	Stack, et al.	
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	D21	EP 1 036 574 A1	09-20-2000	Diamantopoulos		
	D22	0 392 837	10-17-1990	Geddes, et al.		
	D23	WO 00/57818	10-05-2000	Hnojewyj, et al		

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 20 of 24	Application Number	10/733,970
	Filing Date	December 11, 2003
	First Named Inventor	Philip E. Eggers
	Art Unit	3739
	Examiner Name	
Attorney Docket Number		CAL 2-018

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	D24	(48) "Drug-Coated Stents Poised for Growth", Cardiovascular Device Update 7: 8-10 (September 2001).	
	D25	(47) Simonsen, "Percutaneous intervention arena still expanding for heart disease." Cardiovascular Device Update 7 (5): 1-7 (May 2001).	
	D26	(18) Holmes, Jr., "In-Stent Restenosis", Reviews in Cardiovascular Medicine, 2: 115-119 (2001).	
	D27	(53) Stefanadis, C., et al., "Hyperthermia of Arterial Stented Segments by Magnetic Force: A New Method to Eliminate Intimal Hyperplasia", Journal of the American College of Cardiology 37 (2) Supp. A: 2A-3A (2001).	
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	D29	Neschis, et al., "Thermal Preconditioning Before Rat Arterial Balloon Injury", Arterioscler. Thromb. Vasc. Biol. 18: 120-126 (1998).	
	D30	Lafont, et al., "Remodelling: therapeutic opportunities", Semin. Intervent. Cardiol. 2: 177-182 (1997).	
	D31	Mukherjee, et al., "Association of Antibodies to Heat-Shock Protein-65 with Percutaneous Transluminal Coronary Angioplasty and Subsequent Restenosis", Lancet 75 (2): 258-260 (1996).	
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	D34	(19) Bowerman, et al., "Disruption of a Coronary Stent During Artherectomy for Restenosis", Catherization and Cardiovascular Diagnosis 24: 248-251 (1991).	

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		Application Number	10/733,970		
		Filing Date	December 11, 2003		
		First Named Inventor	Philip E. Eggers		
		Art Unit	3739		
		Examiner Name			
Sheet	22	of	24	Attorney Docket Number	CAL 2-018

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	E1	(24) Shui, C., and Scutt, A., "Mild Heat Shock Induces Proliferation, Alkaline Phosphatase Activity, and Mineralization in Human Bone Marrow Stromal Cells and Mg-63 Cells In Vitro." Journal of Bone and Mineral Research 16: 731-741 (2001).	
	E2	Meyer, R.A., et al., "Delayed union of femoral fractures in older rats: decreased gene expression." BMC Musculoskeletal Disorders 2: 2, available at http://www.biomedcentral.com/1471-2474/2/2 (2001).	
	E3	(25) Huang, C.-C., Chang, W.H., and Liu, H.-C.. "Study on the Mechanism of Enhancing Callus Formation of Fracture by Ultrasonic Stimulation and Microwave Hyperthermia." Biomed. Eng. Appl. Basis Comm. 10: 14-17 (1998).	
	E4	Farley, D., "New Ways to Heal Broken Bones", FDA Consumer Mag. at http://www.fda.gov/foia/features/396_bone.html (1996).	
	E5	Ohashi, "The effect of drilling parameters on bone", J. of Materials Sci.: Materials in Medi, 5:225-231 (1994).	
	E6	(23) Leon, et al., "Effects of Hyperthermia on Bone. II. Heating of Bone in vivo and Stimulation of Bone Growth." Int. J. Hyperthermia 9: 77-87 (1993).	
	E7	(22) Wootton, P., Jennings, P., King-Underwood, C., and Wood, S. J., "The Effect of Intermittent Local Heating on Fracture Healing in the Distal Tibia of the Rabbit" International Orthopedics, 14:189-193 (1990).	
	E8	Giffin, D.J., "The Effect of Power Instrumentation on Bone Healing" J. of Foot Surg. 20 (2); 81-83 (1981).	
	E9	Jacobs et al., "The Effect of Heat on Bone Healing", Arch. Surg., 104; 687-691 (1972).	

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		Filing Date	December 11, 2003
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		Art Unit	3739
		Examiner Name	
Sheet 23 of 24	Attorney Docket Number		CAL 2-018

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	F1	(28) Zugel, U., Sponaas, A.M., Neckermann, J., Schoel, B., and Kaufmann, S. H.E., "gp96-Peptide Vaccination of Mice Against Intracellular Bacteria." Infection and Immunity, 69: 4164-4167 (2001).	
	F2	Sponaas, et al., "Immunization with gp96 from Listeria monocytogenes – Infected Mice is Due to N-Formylated Listerial Peptides", J. of Immun. 167:6480-6486 (2001).	
	F3	Fan, et al., "Recognition of a Sequestered Self Peptide by Influenza Virus – Specific CD8+ Cytolytic T Lymphocytes", J. of Imm. 164: 1669-1680 (2000).	
	F4	(29) Zugel, U., and Kaufmann, S.H.E., "Role of Heat Shock Proteins in Protection from and Pathogenesis of Infectious Diseases." Clinical Microbiology Reviews, 12: 19-39 (1999).	
	F5	Rosenkrands, et al., "Differential T-Cell Recognition of Native and Recombinant Mycobacterium tuberculosis GroES", Infection and Imm. 67 (11): 5552-5558 (1999).	
	F6	(27) Heikema, A., Agsteribbe, E., Wilschut, J., Huckriede, A., "Generation of heat shock protein-based vaccines by intracellular loading of gp96 with antigenic peptides." Immunology Letters, 57: 69-74. (1997)	
	F7	(26) Neiland, Thomas J. F., M. C. Agnes A. Tan, Monique Monnee-van Muijen, Frits Koning, Ada M. Kruisbeek, and Grada M. van Bleek, "Isolation of an immunodominant viral peptide that is endogenously bound to the stress protein gp96/GRP94." Proc. Nat'l Acad. Sci. USA, 93: 6135-6139 (1996).	

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Sheet **24** of **24****U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	G1	US- 5,494,035	02/27/1996	Leuthold, et al.	
	G2	US- 5,690,847	11/25/1997	LaValley, et al.	
	G3	US- 5,611,798	03/18/1997	Eggers	
	G4	US- 5,456,718	10/10/1995	Szymaitis	
	G5	US- 5,378,879	01/03/1993	Monouvoukas	
	G6	US- 5,329,085	07/12/1994	Cowell, et al.	
	G7	US- 5,300,750	05/05/1994	Carter, Jr. et al.	
	G8	US- 5,134,370	07/28/1992	Jefferts, et al.	
	G9	US- 5,057,095	10/15/1991	Fabian	
	G10	US- 4,364,390	12/21/1982	Shaw	
	G11	US- 4,364,377	12/21/1982	Smith	
	G12	US- 4,209,017	06/24/1980	Shaw	
	G13	US- 4,207,896	06/17/1980	Shaw	
	G14	US- 4,091,813	05/30/1978	Shaw, et al.	
	G15	US- 4,074,249	02/14/1978	Minasy	
	G16	US- 3,587,583	06/28/1971	Greenberg	
	G17	US- 3,422,816	01/21/1969	Robinson, et al.	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

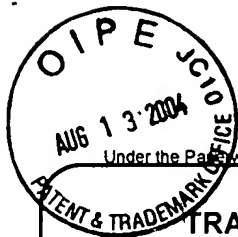
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/733,970	
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	First Named Inventor	Eggers, Philip E.	
	Art Unit	3739	
	Examiner Name		
Total Number of Pages in This Submission	46	Attorney Docket Number	CAL 2-018

ENCLOSURES (Check all that apply)		
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Firm or Individual name	Mueller and Smith, LPA
Signature	
Date	10 August 2004

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